

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP311

Serial No.
10/519,242Filing Date
December 22, 2004Examiner
WU, Ives J.Group Art Unit
1713

Invention: COMPOSITION FOR ANTIREFLECTIVE COATING AND METHOD FOR FORMING SAME

SEP 16 2005

I hereby certify that this English Language abstract of JP 09-090615 - 2 Pages
(Identify type of correspondence)is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The
Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on September 14, 2005
(Date)**MARIA T. SANCHEZ**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-090615

(43)Date of publication of application : 04.04.1997

(51)Int.CI. G03F 7/004

G03F 7/11

H01L 21/027

(21)Application number : 07-284281 (71)Applicant : SHIN ETSU CHEM CO LTD

(22)Date of filing : 27.09.1995 (72)Inventor : TSUCHIYA JUNJI

WATANABE SATOSHI

TAKEMURA KATSUYA

NAGURA SHIGEHIRO

ISHIHARA TOSHINOBU

(54) REFLECTION PREVENTIVE FILM MATERIAL AND PATTERN FORMING
METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To enhance the dimensional precision and lamination accuracy by using a fluororesin made of a copolymer of a specified fluorinated vinyl monomer and a vinyl monomer having a hydrophilic group, such as carboxy or sulfo, for a reflection preventive film material.

SOLUTION: A water-soluble fluororesin expressed by formulae I-III is used as a main component. In the formulae I-III, each of R1 and R2 is H or F atom; R3 is H atom or a trifluoromethyl group or the like; R4 is -(CH₂)₈-(CF₂)_bX group or the like; R5 is H atom or a carboxy group or the like; R6 is H atom or methyl group or the like; R7 is a carboxy or sulfo group or the like; R8 is H atom or methyl group; R9 is H atom or a 1-6C alkyl group; X is H or F atom; each of (a), (b), and (c) is an integer of 0-2, 1-8, and 2-5, respectively; and a ratio of (m) to (n) is 1:9-9:1.



LEGAL STATUS [Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]